

## CENTRAL INTELLIGENCE AGENCY

## INFORMATION REPORT

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SECURITY INFORMATION

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1. The production of aluminum depends on two main factors, the quality of the bauxite and the plant capacity. Hungary has the following natural and industrial resources:
  - a. There are approximately 20,000,000 tons of high-grade bauxite for which the ratio of alumina to silica is between 12 and 14. There are about 100,000,000 tons of low-grade bauxite for which the ratio is about seven. Two kg. of high-grade bauxite make one kg. of alumina ( $Al_2O_3$ ), and 2.5 to 3 kg. of low-grade bauxite are needed to make one kg. of alumina. The ratio of alumina to aluminum is fixed and two kg. of alumina always make one kg. of aluminum.
  - b. There were in 1951 six plants engaged in the production of aluminum. The following table gives their 1951 production and the expansion planned for 1953:

## 1) Alumina production (in metric tons)

Plant	1951	Planned for 1953
Magyaróvár	16,000	35,000
Almásfűezitoe	60,000	120,000
Ajka	22,000	60,000
Total	98,000	215,000

## 2) Aluminum production:

Tatabánya	11,000	11,000
Ajka	11,000	11,000
Inota	None	18,000
Total	22,000	40,000

2. The planned production for the year 1954 in Hungary, Czechoslovakia and Poland is given in the following table in metric tons:

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	Bauxite	Alumina	Aluminum
Hungary	1,200,000	215,000	40,000
Czechoslovakia	--	100,000	40,000
Poland	--	--	20,000
Total	1,200,000	315,000	100,000

3. The following table shows the production figures of Hungarian bauxite and the export figures from 1947 to 1950:

	1947	1948	1949	1950
Bauxite mined:	500,000	600,000	750,000	950,000
Used in Hungary:	100,000	110,000	120,000	130,000
Exported to USSR:	350,000	435,000	570,000	750,000
Other exports: (to Czechoslovakia and East Germany)	50,000	55,000	60,000	70,000

The corresponding figures for the years 1951 and 1952 are as follows:

	1951	1952 (Planned)
Bauxite mined: about	1,000,000	1,200,000
Used in Hungary	150,000	200,000
Exported to USSR:	800,000	800,000
Exported to Czechoslovakia:	50,000	100,000

4. The following figures are available concerning the production and export of alumina and aluminum for the years 1947-1950:

a) Alumina:

	1947	1948	1949	1950
Total made:	40,000	40,000	70,000	100,000
Used in Hungary:	34,000	40,000	46,000	52,000
Exported to USSR:	6,000	-	24,000	44,000
Other exports:	-	-	-	4,000

b) Aluminum:

	1947	1948	1949	1950
Total made:	15,000	17,000	19,000	22,000
Used in Hungary:	6,000	7,000	7,000	7,000
Exported to USSR:	9,000	10,000	12,000	15,000
Other exports:	(insignificant, about 500 tons per year)			

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